

CLAIMS

1. A communication terminal apparatus that multiplexes data of a first channel that is subject to transport format combination selection and data of a second channel that is not subject to said transport format combination selection, said communication terminal apparatus comprising:

a resource allocation section that allocates a resource of said first channel and a resource of said second channel so that total transmission power of said first channel and said second channel does not exceed maximum transmission power transmissible by said communication terminal apparatus; and

a TFC selection section that selects a transport format combination transmissible within a range of a resource of said first channel allocated by said resource allocation section.

2. The communication terminal apparatus according to claim 1, wherein said resource allocation section secures preferentially one or other of a resource of said first channel or a resource of said second channel, and allocates a resource of another channel.

3. The communication terminal apparatus according to claim 1, further comprising a transmission status monitor section that monitors presence or absence of information

transmitted from said second channel, and outputs to said resource allocation section an information amount of information transmitted from said second channel in the past;

5 wherein said resource allocation section allocates a resource of said second channel based on said information amount.

4. The communication terminal apparatus according to
10 claim 3, wherein:

 said transmission status monitor section calculates a transmission status coefficient that is a ratio of time in which information is transmitted from said second channel with respect to a predetermined period, and
15 outputs that transmission status coefficient to said resource allocation section; and

 said resource allocation section calculates a resource of said second channel by multiplying transmission power of a dedicated control channel by a
20 predetermined offset value and said transmission status coefficient.

5. The communication terminal apparatus according to claim 1, wherein said resource allocation section
25 allocates resources of said first channel and said second channel for each transport format combination.

6. The communication terminal apparatus according to claim 1, wherein, when there are a plurality of said second channels, said resource allocation section first secures a resource for a predetermined channel of said second channels, and allocates a remaining resource to a channel other than said predetermined channel.

7. The communication terminal apparatus according to claim 2, wherein said resource allocation section determines which of a resource of said first channel or a resource of said second channel is to be allocated preferentially according to a kind of information transmitted from said second channel.

8. The communication terminal apparatus according to claim 7, wherein, when information transmitted from said second channel is information used in scheduling, said resource allocation section preferentially secures a resource of said first channel.

20

9. A transmission power control method of a communication terminal apparatus that multiplexes data of a first channel that is subject to transport format combination selection and data of a second channel that is not subject to said transport format combination selection, said transmission power control method comprising:

a step of allocating a resource of said first channel
and a resource of said second channel so that total
transmission power of said first channel and said second
channel does not exceed maximum transmission power
5 transmissible by said communication terminal apparatus;
and

a step of controlling transmission power of said
first channel and transmission power of said second
channel within a range of resources allocated by said
10 resource allocation section.